

## ABSTRACT OF THE DISCLOSURE

A rotating electric machine having a plurality of ventilating passages formed between a stator frame and a stator iron core and coolers which cool a coolant being provided in the plurality of the ventilating passages. A ventilating circuit in which at least a portion of the coolant which is cooled by one of the coolers is further cooled by another of the coolers, and is allowed to flow to a central portion in an axial direction of the stator iron core in a direction from an outer peripheral side to an inner peripheral side of the stator iron core at least via one ventilating passage of the plurality of ventilating passage which communicates with the central portion in the axial direction of the stator iron core.